

AMENDMENTS TO THE CLAIMS

The following is a copy of pending amended claims in compliance with Revised 37 CFR § 1.121. Support for the claims appears in the 'Remarks' section. Claims 1-10 are pending in the application. Claims 1-10 stand rejected. Claims 1 and 2 are amended below. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for processing seismic data comprising:
 - (a) determining a difference for data in a window comprising a portion of a first data segment with data in a corresponding window comprising a portion of a second data segment, wherein said first data segment and said second data segment are selected from a plurality of data segments acquired using a plurality of seismic sweeps; and
 - (b) changing said data in ~~a window~~ said first data segment using said data in a corresponding window comprising a portion of a second data segment based on said difference.
2. (Currently Amended) The method of claim 1, wherein changing said data in ~~a window~~ said first data segment further comprises replacing said data in a window using said data in a corresponding window.

3. (Original) The method of claim 1 further comprising stacking said plurality of data segments to form a new data segment.
4. (Original) The method of claim 3 further comprising extracting a listen time from said new data segment.
5. (Original) The method of claim 1 wherein said plurality of data segments each comprise a recorded data and a listen time.
6. (Original) The method of claim 1 further comprising phase shifting said second data segment to a phase corresponding to said first data segment.
7. (Original) The method of claim 1 wherein said second data segment comprises a combination of a plurality of said plurality of data segments.
8. (Original) The method of claim 7 wherein said combination comprises combining said plurality of said plurality of data segments using at least one of: i) an arithmetic average, ii) a median average, and iii) a weighted average.
9. (Previously Amended) The method of claim 1 further comprising using RMS values for determining said difference in said data in a window of a first data segment with said data in a window of a second data segment.

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10. (Original) The method of claim 1 wherein a listen time data segment is combined with an initial data segment by time series addition.